

ABSTRACT

An organic EL has a problem of element life. Causes of the element life include a temperature and an amount of current. As for a display using an organic EL element, light is emitted by using a current so that an amount of light emission of a screen is proportional to the amount of current passing through a device. Therefore, there are problems that an image of a large amount of light emission has a large current passing through the device causing deterioration of the element and that a high-capacity power supply is required in order to pass a maximum amount of current.

As for the display using an organic EL element, the amount of light emission of the screen is proportional to the amount of current passing through the device. Therefore, the higher a maximum amount of light emission of the element is set, the larger the current becomes when all the elements of the screen emit maximum light. If the maximum amount of light emission of the element is suppressed, the entire screen becomes darker. For that reason, a drive to control the amount of light emission of the element is performed according to a display status of the screen.